

**PROVISIONS FOR HEAVY USE AREA PROTECTION(561), AND/OR, ROOF AND COVERS (367)**

The Applicant agrees:

1. Any roofed Heavy Use Area (HUA) Protection must meet NRCS standards for roof and covers (367).
2. Maintenance life will be 15 years for a roofed Heavy Use Area Protection (561).
3. A roofed Heavy Use Area Protection is only eligible if on a Heavy Use Area Protection constructed of concrete.
4. Any existing Heavy Use Area Protection must meet NRCS standards. A status review is required to be completed for the Heavy Use Area Protection to be eligible for costshare under Roof and Covers (367).
5. To qualify for this practice a required minimum of 40 square feet of housing, per animal unit, must be made available by the applicant. For the maintenance life of the practice this area is subject to the same requirements as the roofed heavy use area receiving cost-share.
6. The storage of mobile and non mobile equipment or supplies is prohibited. However, the mobile farm equipment used to routinely scrape the HUA will be permitted, only if it does not affect compliance with the Waste Management System Plan for the farm.
7. Any construction of a roof or cover shall result in a contiguous total of 100 square feet per animal unit.
8. Not to increase the number of animal units with access to the roofed HUA during the maintenance life of the practice as documented in the MACS Application and Waste Management System Plan.
9. It may be necessary to confine animals during inclement weather.
10. All feeding, other than grazing, must occur inside the confined feeding area (covered heavy use area). This includes the use of round bale hay feeders.
11. Construction of a roofed or covered heavy use area shall not result in any new or additional soil erosion or runoff and implementing other best management practices may be necessary.
12. Manure collected within a roofed or covered heavy use area must be transferred to an available waste storage facility every 30 to 60 days.
13. Cost-sharing is not authorized for: a) any construction that is greater than 60 square feet per animal unit, b) any construction of roof eaves greater than 2 feet, and, c) any construction of a peak overshoot built for additional ventilation.

I have read the above provisions and shall comply with them. Also, I have reviewed the following calculations (page 2) and agree with them.

By: \_\_\_\_\_ Date: \_\_\_\_\_

## Heavy Use Area (561) and Roofs and Covers (367) Worksheet

This worksheet is required to be submitted with a MACS Application.

### 1) Existing Housing - Total Square Footage

	X		0	Producer's total housing provided - Square Feet
Length		Width =		

### 2) Animal unit conversion - 1000 pound live animal weight = one (1) animal unit.

Animal Type	Average Animal Weight (lbs)	Number of Head	Total Animal Units (3)
Dairy Cows	1,500	50	75.0
		Total	75.0

### 3) Calculations (\*1)

Animal Type	Current number of Animal Units	Total Space required per animal unit - Square Feet	Total Space Required Square Feet	Producer's required minimum per Square Feet/au	Minimum Square Feet Required by Producer	Housing Currently Provided by Producer - Square Feet	Producer's net square footage for housing (plus or minus)	Additional square footage of roof and cover required to be built by producer	MACS Cost-Sharing Square Feet per animal unit	Total Square Feet Eligible for MACS Cost-Sharing (*1)	Total Square Feet of Roof and Cover to be built (*2)
Dairy Cows	75.0	100	7,500	40	3,000	400	-2,600	2,600	60	4,500	7,100

4) a. Please provide brief description of project below and the full size (dimensions in feet) of the Covered HUA being built based on 100 sq. ft. per animal unit.

(\*1) Eligible square footage (footprint dimensions) for MACS Application(s) & Claim(s) to receive a cost-share payment.

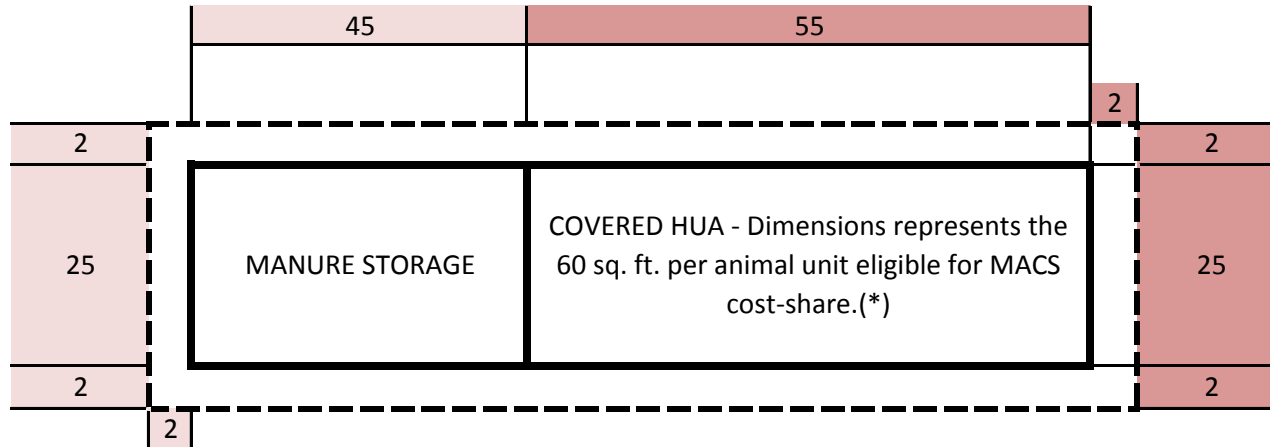
(\*2) Minimum square footage (footprint dimensions) to be built to achieve 100 square feet per animal unit.

# COVERED HEAVY USE AREA - ROOF SQUARE FOOTAGE CALCULATIONS - WITH EAVES

1/24/2017

(ALL EAVES LIMITED TO 2 FEET)

Dimensions and calculations on this diagram must be consistent with the submitted MACS application.



MANURE STORAGE FOOTPRINT - Square Footage	
Length ft.	45
Width ft.	25
TOTAL Footprint Sq Ft	1,125

COVERED HUA FOOTPRINT - SQUARE FOOTAGE	
Length ft.	55
Width ft.	25
TOTAL Footprint Sq Ft	1,375

MANURE STORAGE w/Eaves		
Length ft.	Eaves ft.	
45	2	47
Width ft.	Eaves ft.	
25	4	29
Manure Storage Total Square Footage	1,363	

COVERED HUA SQUARE FOOTAGE w/Eaves		
Length ft.	Eaves ft.	
55	2	57
Width ft.	Eaves ft.	
25	4	29
Cover HUA Total Square Footage	1,653	

\* Per the 561/367. Heavy Use Area/Roofs and Covers Standard - Cost-sharing is **not authorized** for any construction or portion thereof that is greater than 60 sq. ft. per animal unit when used as a feeding or confinement area (*includes roof runoff 558*) .

NOTE: The width of the manure storage and the covered HUA are not required to match.

1/24/2017

Agreement No.

## Heavy Use Areas & Roofs and Covers - Application Tool

New HUA with Roof:	
Roof on Existing HUA:	
Imminent Start-Up or Expansion:	

Application set up for:	
Co-Cost with NRCS:	
Status Review of existing HUA submitted:	

Documents Submitted & Approved/Signed (Y/N)		Animal Units (number)	Square Footage - Cooperator (40 sq. ft/au)	Square Footage - MACS/NRCS (60 sq ft/au)	Square Foot Total (100 sq. ft./au required)
NRCS Risk Assessment					
Animal Waste System Plan					
MACS Provision Sheet Submitted		75		4,500	7,100
NMP					
MACS Application					

Companion Practices within MACS Application:		Comments:
367 - Roofs and Covers	YES	
382 - Fencing		
468 - Lined Waterway or Outlet		
558 - Roof Runoff *		

\* Per the 561/367. Heavy Use Area/Roofs and Covers Standard - Cost-sharing is **not authorized** for any construction or portion thereof that is greater than 60 sq. ft. per animal unit when used as a feeding or confinement area *(includes roof runoff 558)*.